

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C03B35/18 B21B39/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C03B B21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 195 04 044 A (PROMAT GMBH) 7 September 1995 (1995-09-07) page 3, line 7 - line 60; figures -----	1-3,8, 10,11, 13,17, 20-29
A	EP 0 473 926 A (ELTECH SYSTEMS CORP) 11 March 1992 (1992-03-11) cited in the application column 17, line 33 - line 49 -----	1-29
A	US 4 167 997 A (REVELLS ROBERT G) 18 September 1979 (1979-09-18) column 4, line 64 - line 56 -----	1-29
A	US 3 807 982 A (CLAASSEN G ET AL) 30 April 1974 (1974-04-30) the whole document -----	1-29
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

23 January 2003

Date of mailing of the international search report

30/01/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Reedijk, A

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 459 148 A (DIEDEREN WERNER ET AL) 10 July 1984 (1984-07-10) column 4, line 1 - line 65; figure -----	1-29

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